

EAST Search History

EAST Search History (Prior Art)

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|---|--|------------------|---------|---------------------|
| L46 | 3 | 45 and ("time-varying" and ultraso \$3) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2009/07/27 14:30 |
| L45 | 68 | (makin-inder-raj-s).in. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2009/07/27 14:30 |
| L44 | 0 | 33 and ("time-varying" and ultraso \$3) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2009/07/27 14:29 |
| L43 | 0 | 34 and ("time-varying" and ultraso \$3) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2009/07/27 14:29 |
| L42 | 3 | 38 and ("time-varying" and ultraso \$3) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2009/07/27 14:28 |
| L41 | 4030 | 38and ("time-varying" and ultraso\$3) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2009/07/27 14:28 |
| L40 | 0 | 39 and ("time-varying" and ultraso \$3) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2009/07/27 14:28 |
| L39 | 5 | slayton-michael.in. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2009/07/27 14:28 |
| L38 | 73 | barthe-peter-g.in. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2009/07/27 14:28 |
| L37 | 0 | (makin-inder-raj).in. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2009/07/27 14:27 |

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| L36 | 0 | (makin-inder-r).in. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2009/07/27 14:27 |
| L35 | 0 | (makin-inder-r.in.) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2009/07/27 14:27 |
| L34 | 20 | (faidi-waseem).in. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2009/07/27 14:27 |
| L33 | 19 | (mast-t-d).in. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2009/07/27 14:27 |
| L32 | 1 | (ultraso\$3 and imag \$3 and "time-varying" and signal\$1 and difference and subtract \$3 and first and second).clm. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2009/07/27 14:26 |
| L31 | 0 | 28 and (phase with (noise or artifact\$1)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2009/07/27 14:06 |
| L30 | 13 | 28 and (phase) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2009/07/27 14:06 |
| L29 | 0 | 28 and (phase adj shift \$1) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2009/07/27 14:05 |
| L28 | 13 | (US-6464640-\$ or US- 6322511-\$ or US- 6258029-\$ or US- 6241677-\$ or US- 6193664-\$ or US- 6110118-\$ or US- 6093149-\$ or US- 6086539-\$ or US- 6030344-\$ or US- 6673019-\$ or US- 5526816-\$ or US- 7410469-\$ or US- 6540700-\$).did. | USPAT | OR | ON | 2009/07/27 14:05 |
| L27 | 2 | 26 and ultraso\$3 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2009/07/27 14:04 |

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| L26 | 43 | (phase adj compensation) with (reduc\$4 with (noise or artifact\$1)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2009/07/27 14:04 |
| L25 | 14 | 24 and (ultraso\$3 adj signal\$1) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2009/07/27 14:03 |
| L24 | 1207 | (phase adj compensation) and (reduc\$4 with (noise or artifact\$1)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2009/07/27 14:03 |
| L23 | 10242 | (phase adj compensation) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2009/07/27 14:02 |
| L22 | 18 | (ultraso\$3 with treat \$4) and (ultraso\$3 with imag\$3) and (signal\$1 with time) and ((subtract\$3 or difference) with signal \$1) and ((first and second) with imag\$3) and (imag\$3 with after with treat\$4) and (noise or artifact \$1) and phase | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2009/07/27 13:59 |
| L21 | 3 | (ultraso\$3 with treat \$4) and (ultraso\$3 with imag\$3) and (signal\$1 with time) and ((subtract\$3 or difference) with signal \$1) and ((first and second) with imag\$3) and (imag\$3 with after with treat\$4) and (phase with compensation) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2009/07/27 13:59 |
| L20 | 3 | (ultraso\$3 with treat \$4) and (ultraso\$3 with imag\$3) and (signal\$1 with time) and ((subtract\$3 or difference) with signal \$1) and ((first and second) with imag\$3) and (imag\$3 with after with treat\$4) and (phase adj compensation) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2009/07/27 13:59 |

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| L19 | 3 | (ultraso\$3 with treat \$4) and (ultraso\$3 with imag\$3) and (signal\$1 with time) and ((subtract\$3 or difference) with signal \$1) and ((first and second) with imag\$3) and (imag\$3 with after with treat\$4) and (noise or artifact \$1) and (phase adj compensation) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2009/07/27 13:58 |
| L18 | 18 | (ultraso\$3 with treat \$4) and (ultraso\$3 with imag\$3) and (signal\$1 with time) and ((subtract\$3 or difference) with signal \$1) and ((first and second) with imag\$3) and (imag\$3 with after with treat\$4) and (noise or artifact \$1) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2009/07/27 13:58 |
| L17 | 0 | (ultraso\$3 with treat \$4) and (ultraso\$3 with imag\$3) and (signal\$1 with time) and ((subtract\$3 or difference) with signal \$1) and ((first and second) with imag\$3) and (imag\$3 with after with treat\$4) and "time-varying" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2009/07/27 13:34 |
| L16 | 34 | (ultraso\$3 with treat \$4) and (ultraso\$3 with imag\$3) and (signal\$1 with time) and ((subtract\$3 or difference) with signal \$1) and ((first and second) with imag\$3) and (imag\$3 with after with treat\$4) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2009/07/27 13:29 |

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| L15 | 158 | (ultraso\$3 with treat \$4) and (ultraso\$3 with imag\$3) and (signal\$1 with time) and ((subtract\$3 or difference) with signal \$1) and ((first and second) with imag\$3) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2009/07/27 13:29 |
| L14 | 371 | (ultraso\$3 with treat \$4) and (ultraso\$3 with imag\$3) and (signal\$1 with time) and ((subtract\$3 or difference) with signal \$1) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2009/07/27 13:28 |
| L13 | 1225 | (ultraso\$3 with treat \$4) and (ultraso\$3 with imag\$3) and (signal\$1 with time) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2009/07/27 13:28 |
| L11 | 1 | "5526816".pn. and (average\$1) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2009/07/27 12:35 |
| L10 | 1 | "5526816".pn. and (average\$!) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2009/07/27 12:35 |
| L9 | 1 | "5526816".pn. and (noise or artifact\$1) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2009/07/27 12:33 |
| L8 | 2 | "5526816".pn. and (amplitude) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2009/07/27 11:45 |
| L7 | 1 | "5526816".pn. and ("B-mode") | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2009/07/27 11:41 |
| L6 | 1 | "5526816".pn. and (filter\$3) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2009/07/27 11:24 |
| L5 | 1 | "5526816".pn. and (scal\$3) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2009/07/27 11:22 |
| L4 | 0 | "6030344".pn. and (artifact\$1 or noise) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2009/07/27 11:21 |

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| L3 | 9 | "6030344" and (artifact\$1 or noise) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2009/07/27 11:21 |
| L2 | 1 | "5526816".pn. and (artifact\$1 or noise) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2009/07/27 11:18 |
| L1 | 0 | "5526816".pn. and (phase with compensation) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2009/07/27 11:18 |
| S102 | 8 | (ultraso\$3 with treat \$4 with time) and (signal\$1 with "time- varying") | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2009/07/24 17:44 |
| S101 | 57 | (ultraso\$3 with treat \$4) and (signal\$1 with "time-varying") | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2009/07/24 17:43 |
| S100 | 3 | S95 and (601/2-4). ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2009/07/24 17:21 |
| S99 | 0 | S97 and (601/2-4). ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2009/07/24 17:19 |
| S98 | 33 | ultraso\$3 and (signal \$1 with ("time- varying")) and treat \$4 and ((subtract\$3) with signal\$1) and ((first and second) adj signal\$1) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2009/07/24 17:12 |
| S97 | 147 | ultraso\$3 and (signal \$1 with ("time- varying")) and treat \$4 and ((subtract\$3) with signal\$1) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2009/07/24 17:11 |
| S96 | 383 | ultraso\$3 and (signal \$1 with ("time- varying")) and treat \$4 and ((difference or subtract\$3) with signal \$1) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2009/07/24 17:11 |
| S95 | 666 | ultraso\$3 and (signal \$1 with ("time- varying")) and treat \$4 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2009/07/24 17:11 |

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| S94 | 1 | ultraso\$3 and (signal\$1 with ("time-varying")) with treat\$4) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2009/07/24 17:10 |
| S93 | 1350 | ultraso\$3 and (signal\$1 with ("time-varying")) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2009/07/24 17:10 |
| S92 | 22 | ultraso\$3 and (treat\$4 with ("time-varying")) and (subtract\$ or difference) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2009/07/24 17:07 |
| S91 | 39 | ultraso\$3 and (treat\$4 with ("time-varying")) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2009/07/24 17:06 |
| S90 | 1 | ultraso\$3 with therapeutic\$4 with ("time-varying")) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2009/07/24 17:06 |
| S89 | 1 | ultraso\$3 with treat\$4 with ("time-varying")) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2009/07/24 17:02 |
| S88 | 1674 | ultraso\$3 and treat\$4 and ("time-varying")) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2009/07/24 17:02 |
| S87 | 1001 | (ultraso\$3) and (time with before with treat\$4) and (time with after with treat\$4) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2009/07/24 17:00 |
| S86 | 0 | (ultraso\$3) and (signal\$1 with time with before with therapeutic\$4) and (signal\$1 with time with after with therapeutic\$4) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2009/07/24 16:55 |
| S85 | 1 | "6030344".pn. and (time with signal\$1) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2009/07/24 16:46 |

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| S84 | 1 | (ultraso\$3) and (signal\$1 with time with before with treat\$4) and (signal\$1 with time with after with treat\$4) and ((difference or subtract \$3) with signal\$1) and scal\$3 and filter\$3 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2009/07/24 16:00 |
| S83 | 2 | (ultraso\$3) and (signal\$1 with time with before with treat\$4) and (signal\$1 with time with after with treat\$4) and ((difference or subtract \$3) with signal\$1) and scal\$3 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2009/07/24 15:59 |
| S82 | 6 | (ultraso\$3) and (signal\$1 with time with before with treat\$4) and (signal\$1 with time with after with treat\$4) and ((difference or subtract \$3) with signal\$1) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2009/07/24 15:55 |
| S81 | 12 | (ultraso\$3) and (signal\$1 with time with before with treat\$4) and (signal\$1 with time with after with treat\$4) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2009/07/24 15:54 |
| S80 | 47 | (ultraso\$3) and (signal\$1 with "time-varying") and (subtract \$3 with signal\$1) and (signal\$1 with treat \$4) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2009/07/23 18:50 |
| S79 | 392 | (ultraso\$3) and (signal\$1 with time) and (subtract\$3 with signal\$1) and (signal\$1 with treat\$4) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2009/07/23 18:50 |
| S78 | 12 | (ultraso\$3) and (signal\$1 with (first adj time)) and (signal\$1 with (second adj time)) and (subtract \$3 with (signal\$1 with (first adj time)) with (signal\$1 with (second adj time))) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2009/07/23 18:37 |

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| S77 | 24 | (ultraso\$3) and ((subtract\$3 with signal\$1) with treat \$4) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2009/07/23 18:34 |
| S76 | 2 | (ultraso\$3) and ((subtract\$3 with signal\$1) with after with treat\$4) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2009/07/23 18:34 |
| S75 | 7 | (ultraso\$3) and ((difference adj signal) with treat\$4) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2009/07/23 18:32 |
| S74 | 2 | (ultraso\$3) and ((difference adj signal) with indicat\$3 with treat\$4) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2009/07/23 18:31 |
| S73 | 9 | S72 and (subtract\$3 with signal\$1) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2009/07/23 17:14 |
| S72 | 65 | S71 and ((multiple or plural\$3) with signal \$1) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2009/07/23 17:14 |
| S71 | 130 | (ultraso\$3 with signal \$1 with "time-varying") | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2009/07/23 17:14 |
| S70 | 1350 | ultraso\$3 and (signal \$1 with "time-varying") | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2009/07/23 17:14 |
| S69 | 11 | ultraso\$3 and (first adj signal\$1) and (second adj signal) and (subtract\$3 with (first adj signal) and (second adj signal\$1)) and (time adj vary\$4) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2009/07/23 17:06 |
| S68 | 9 | ultraso\$3 and (first adj signal\$1) and (second adj signal) and (subtract\$3 with (first adj signal) and (second adj signal\$1)) and "time-varying" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2009/07/23 17:05 |

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| S67 | 178 | ultraso\$3 and (first adj signal\$1) and (second adj signal) and (subtract\$3 with (first adj signal) and (second adj signal\$1)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2009/07/23 17:05 |
| S66 | 9 | S43 and subtract\$3 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2009/07/23 17:03 |
| S65 | 4 | S42 and subtract\$3 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2009/07/23 17:03 |
| S64 | 3 | S41 and subtract\$3 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2009/07/23 17:03 |
| S63 | 3 | S39 and subtract\$3 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2009/07/23 17:01 |
| S62 | 17 | (ultraso\$3) and (first with signal with (ultraso\$3 adj wave \$1) with time) and (second with signal with (ultraso\$3 adj wave\$1) with time) and ((difference or subtract\$3) with (first and second) with signal\$1 with (treat\$4 or therapeutic\$4)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2009/07/23 16:41 |
| S61 | 106 | (ultraso\$3) and (first with signal with (ultraso\$3 adj wave \$1) with time) and (second with signal with (ultraso\$3 adj wave\$1) with time) and ((difference or subtract\$3) with (first and second) with signal\$1) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2009/07/23 16:41 |

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| S60 | 187 | (ultraso\$3) and (first with signal with (ultraso\$3 adj wave \$1) with time) and (second with signal with (ultraso\$3 adj wave\$1) with time) and ((difference or subtract\$3) with signal \$1) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2009/07/23 16:40 |
| S59 | 357 | (ultraso\$3) and (first with signal with (ultraso\$3 adj wave \$1) with time) and (second with signal with (ultraso\$3 adj wave\$1) with time) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2009/07/23 16:38 |
| S58 | 13 | (ultraso\$3) and ("time-varying" with signal \$1) and ((difference or subtract\$3) with ((first and second) adj signal\$1)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2009/07/23 16:29 |
| S57 | 50 | (ultraso\$3) and ("time-varying" with signal \$1) and (calculat\$3 with (difference or subtract\$3) with signal \$1) and ((first and second) adj signal\$1) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2009/07/23 16:27 |
| S56 | 0 | (ultraso\$3) and ("time-varying" with signal \$1) and ((difference or subtract\$3) with signal\$1 with treat\$4) and ((first and second) adj signal\$1) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2009/07/23 16:27 |
| S55 | 114 | (ultraso\$3) and ("time-varying" with signal \$1) and ((difference or subtract\$3) with signal\$1) and ((first and second) adj signal \$1) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2009/07/23 16:26 |
| S54 | 48 | (ultraso\$3) and ("time-varying" with signal \$1) and (subtract\$3 with signal\$1) and ((first and second) adj signal\$1) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2009/07/23 16:23 |

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| S53 | 59 | (ultraso\$3) and ((first adj signal) with time) and ((second adj signal) with time) and ((subtract\$3) with (first and second) with signal\$1) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2009/07/23 15:30 |
| S52 | 24 | (ultraso\$3) and ((first adj signal) with (first adj time)) and ((second adj signal) with (second adj time)) and ((difference or subtract \$3) with (first and second) with signal \$1) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2009/07/23 15:29 |
| S51 | 18 | (ultraso\$3) and ((first adj signal) with (first adj time)) and ((second adj signal) with (second adj time)) and ((difference or subtract \$3) with (first and second) with signal \$1) and imag\$3 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2009/07/23 15:28 |
| S50 | 11 | (ultraso\$3) and (signal \$1 with time with ultraso\$3 with wave \$1) and (subtract\$3 with signal\$1) and (medical with (treat\$4 or therapeutic\$4)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2009/07/23 15:20 |
| S49 | 247 | (ultraso\$3) and (signal \$1 with time) and (subtract\$3 with signal \$1) and (medical with (treat\$4 or therapeutic \$4)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2009/07/23 15:19 |
| S48 | 16 | (ultraso\$3) and ((first adj signal) with (time adj varying)) and ((second adj signal) with (time adj varying)) and ((difference or subtract \$3) with signal\$1) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2009/07/23 15:03 |

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| S47 | 43 | (ultraso\$3) and ((first adj signal) with time) and ((second adj signal) with time) and ((difference or subtract \$3) with (first and second) adj signal\$1) and (signal\$1 with ultraso\$4 with wave) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2009/07/23 14:56 |
| S46 | 20730 | (ultraso\$3) and ((first adj signal) with time) and ((second adj signal) with time) and ((difference or subtract \$3) with (first and second) adj signal\$1) (signal\$1 with ultraso \$4 with wave) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2009/07/23 14:56 |
| S45 | 44 | (ultraso\$3) and ((first adj signal) with time) and ((second adj signal) with time) and ((subtract\$3) with (first and second) adj signal\$1) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2009/07/23 14:51 |
| S44 | 130 | (ultraso\$3) and ((first adj signal) with time) and ((second adj signal) with time) and ((difference or subtract \$3) with (first and second) adj signal\$1) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2009/07/23 14:51 |
| S43 | 39 | (ultraso\$3) and ((first adj signal) with (first adj time)) and ((second adj signal) with (second adj time)) and ((difference or subtract \$3) with signal\$1) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2009/07/23 14:48 |
| S42 | 29 | (ultraso\$3) and ((first adj signal) with (first adj time)) and ((second adj signal) with (second adj time)) and ((difference or subtract \$3) with signal\$1) and imag\$3 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2009/07/23 14:44 |

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| S41 | 26 | (ultraso\$3 with imag\$3) and ((first adj signal) with (first adj time)) and ((second adj signal) with (second adj time)) and ((difference or subtract\$3) with signal\$1) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2009/07/23 14:42 |
| S40 | 15 | (ultraso\$3 with imag\$3) and ((first adj signal) with (first adj time)) and ((second adj signal) with (second adj time)) and ((difference or subtract\$3) with (first and second) with signal\$1) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2009/07/23 14:42 |
| S39 | 24 | (ultraso\$3 with imag\$3) and ((first adj signal) with (first adj time)) and ((second adj signal) with (second adj time)) and (treat\$4 or therapeutic\$4) and ((difference or subtract\$3) with signal\$1) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2009/07/23 14:37 |
| S38 | 25 | (ultraso\$3 with imag\$3) and ((first adj signal) with (first adj time)) and ((second adj signal) with (second adj time)) and (treat\$4 or therapeutic\$4) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2009/07/23 14:35 |
| S37 | 26 | ((601/2-4).ccls. or (600/407-480).ccls.) and ("time-varying") and treat\$4 and ultraso\$3 and transducer and (difference with signal) and subtract\$3) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2009/03/25 17:47 |
| S36 | 2 | S8 and ("time-varying") | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2009/03/25 16:23 |

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| S35 | 2 | S7 and ("time-varying") | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2009/03/25 16:23 |
| S34 | 2 | S6 and ("time-varying") | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2009/03/25 16:23 |
| S33 | 0 | S3 and ("time-varying") | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2009/03/25 16:23 |
| S32 | 0 | S2 and ("time-varying") | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2009/03/25 16:23 |
| S31 | 26 | (600/407-480).ccls. and ("time-varying") and treat\$4 and ultraso\$3 and transducer and (difference with signal) and subtract \$3) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2009/03/25 16:16 |
| S30 | 0 | S22 and (tim\$3 and signal\$1 and treat\$4 and ultraso\$3 and transducer and imag \$3) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2009/03/25 16:05 |
| S29 | 1 | S21 and (tim\$3 and signal\$1 and treat\$4 and ultraso\$3 and transducer and imag \$3) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2009/03/25 16:05 |
| S28 | 0 | S22 and ((time adj vary\$3) and treat\$4 and ultraso\$3 and transducer and difference and signal and subtract\$3) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2009/03/25 16:02 |
| S27 | 0 | S21 and ((time adj vary\$3) and treat\$4 and ultraso\$3 and transducer and difference and signal and subtract\$3) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2009/03/25 16:02 |
| S26 | 0 | S21 and ("time-varying") and treat\$4 and ultraso\$3 and transducer) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2009/03/25 16:01 |

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| S25 | 0 | S22 and (("time-varying") and treat\$4 and ultraso\$3 and transducer) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2009/03/25 16:01 |
| S24 | 0 | S22 and (("time-varying") and treat\$4 and ultraso\$3 and transducer and (difference and signal) and subtract\$3) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2009/03/25 16:01 |
| S23 | 0 | S21 and (("time-varying") and treat\$4 and ultraso\$3 and transducer and (difference and signal) and subtract\$3) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2009/03/25 16:01 |
| S22 | 4 | "5626607".pn. 6010531.pn. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2009/03/25 16:01 |
| S21 | 10 | ("5769790" "6156029" "6340352" "6440147" "6575969").PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2009/03/25 15:59 |
| S20 | 0 | ((("time-varying") and treat\$4 and ultraso\$3 and transducer and (difference and signal) and subtract\$3).clm. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2009/03/25 15:50 |
| S19 | 0 | ((("time-varying") and treat\$4 and ultraso\$3 and transducer and (difference adj signal) and subtract\$3).clm. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2009/03/25 15:50 |
| S18 | 15 | ((("time-varying") and treat\$4 and ultraso\$3 and transducer and (difference adj signal) and subtract\$3) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2009/03/25 15:43 |
| S17 | 379 | ((("time-varying") and treat\$4 and ultraso\$3 and transducer and difference and signal and subtract\$3) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2009/03/25 15:42 |
| S16 | 0 | S3 and (("time-varying") and treat\$4 and ultraso\$3 and transducer and difference and signal and subtract\$3) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2009/03/25 15:42 |

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| S15 | 0 | S7 and ("time-varying") and treat\$4 and ultraso\$3 and transducer and difference and signal and subtract\$3) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2009/03/25 15:42 |
| S14 | 0 | S8 and ("time-varying") and treat\$4 and ultraso\$3 and transducer and difference and signal and subtract\$3) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2009/03/25 15:42 |
| S13 | 0 | S8 and ((time adj vary \$3) and treat\$4 and ultraso\$3 and transducer and difference and signal and subtract\$3) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2009/03/25 15:41 |
| S12 | 0 | S7 and ((time adj vary \$3) and treat\$4 and ultraso\$3 and transducer and difference and signal and subtract\$3) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2009/03/25 15:41 |
| S11 | 0 | S6 and ((time adj vary \$3) and treat\$4 and ultraso\$3 and transducer and difference and signal and subtract\$3) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2009/03/25 15:41 |
| S10 | 0 | S3 and ((time adj vary \$3) and treat\$4 and ultraso\$3 and transducer and difference and signal and subtract\$3) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2009/03/25 15:41 |
| S9 | 0 | S2 and ((time adj vary \$3) and treat\$4 and ultraso\$3 and transducer and difference and signal and subtract\$3) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2009/03/25 15:41 |
| S8 | 65 | makin-inder-raj-s.in. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2009/03/25 15:39 |
| S7 | 78 | slayton-michael-h.in. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2009/03/25 15:39 |

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| S6 | 70 | barthe-peter-g.in. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2009/03/25 15:39 |
| S5 | 0 | barthe-peter-b.in. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2009/03/25 15:38 |
| S4 | 0 | makin-inder-raj.in. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2009/03/25 15:38 |
| S3 | 20 | faidi-waseem.in. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2009/03/25 15:38 |
| S2 | 1 | mast-d-t.in. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2009/03/25 15:38 |

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